

RESEARCH AND EXTRAMURAL STUDIES - OSDENE

PENDING APPLICATIONS

Philip Morris Incorporated
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Code 1 - Offensive/Urgent
Code 2 - Defensive/Urgent
Code 3 - Offensive/Normal
Code 4 - Defensive/Normal

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189417 PM 975/PREPARATION OF OXYCARBOXYLIC ACIDS

W. Edwards III
Chemical Research/Sanders/Osdene

This invention provides a process for the conversion of an alicyclic alpha,beta-olefinically unsaturated ketone compound to an acyclic oxycarboxylic acid product which contains at least one less carbon atom per molecule than the ketone starting material. The conversion involves ozonation of the alicyclic alpha,beta-olefinically unsaturated ketone in an aqueous alcohol reaction medium, followed by a heating step.

Inskip	
9-22-80	Filed in PTO; assignment recorded.
12-8-90	Prior art statement.
2-3-81	Action rejecting all claims.
4-24-81	Response.
8-4-81	Action indicating informal allowance.
8-26-81	Response.
12-21-81	Examiner's communication indicating allowance pending outcome of question of interference.
6-23-82	Status inquiry.

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204974 PM 964/SMOKING COMPOSITIONS

Y. Houminer and H. Grubbs
Chemical Research/Sanders/Osdene

This invention provides tobacco and non-tobacco smoking compositions which contain a heterocyclic-hydroxy-substituted carboxylate compound as a flavorant additive.

Inskeep
11-7-80 Filed in PTO; assignment recorded.
2-5-81 Prior art statement.
9-14-81 Restriction requirement.
9-25-81 Response electing Claims 11-31.
10-26-82 Status inquiry.
11-18-82 Restriction requirement.
11-26-82 Response electing Group III (Claims 11-31).

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220196 PM 868 DIV I/SMOKING COMPOSITIONS

E. Sanders and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides tobacco and non-tobacco smoking compositions which contain a pyrazine-containing polyheterocyclic compound as a flavorant additive.

Inskeep/D&O
12-23-80 Filed in PTO.
11-18-82 Action allowing all claims.
12-9-82 Amendment.

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221054 PM 828 DIV/SMOKING COMPOSITIONS

E. Sanders and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides tobacco and non-tobacco smoking compositions which contain a substituted-heterocyclic compound as a flavorant additive.

Inskeep/D&O
12-29-80 Filed in PTO.

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307262 PM 1030/PRODUCTION OF MONOACYLPYRAZINES

D. Williams, Y. Houminer, and R. Southwick
Chemical Research/Sanders/Osdene

This invention provides a process for preparing monoacylpyrazines which involves coreacting a pyrazine compound and an aldehyde compound under free radical conditions in a heterogeneous reaction medium consisting of an organic phase and an aqueous phase.

Inskeep/D&O

9-30-81 Filed in PTO; assignment recorded.

7-14-82 Action rejecting all claims (response due 14 October).

10-82 Amendment.

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373901 PM 944/SMOKING COMPOSITIONS

E. Southwick and H. Grubbs
Chemical Research/Sanders/Osdene

In one of its embodiments this invention provides a smoking composition which contains a novel type of flavorant additive as exemplified by polymerized ethyl 2-propenyl 2-(2-butyl)malonate.

Inskeep/D&O
5-3-82 Filed in PTO; assignment recorded.

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377989 PM 893 DIV I/OPTICALLY ACTIVE NICOTINE ANALOGS AND PROCESS FOR
THEIR PREPARATION

W. Edwards III
Chemical Research/Sanders/Osdene

This invention provides a process for the preparation of cotinine and nicotine analogs containing substituents on pyrrolidinone/pyrrolidine ring at the 3' position of cotinine and at the 4' and 5' position of nicotine.

Inskeep/D&O
5-13-82 Filed in PTO.

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377990 PM 893 DIV I/OPTICALLY ACTIVE NICOTINE ANALOGS AND PROCESS FOR
THEIR PREPARATION

W. Edwards III
Chemical Research/Sanders/Osdene

This invention provides a process for the preparation of cotinine and nicotine analogs containing substituents on pyrrolidinone/pyrrolidine ring at the 3' position of cotinine and at the 4' and 5' position of nicotine.

Inskeep/D&O
5-13-82 Filed in PTO.

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410205 PM 894/1,4-DIACYLPIPERAZINE FLAVORED SMOKING COMPOSITIONS

W. Edwards and Y. Houminer
Chemical Research/Sanders/Osdene

This invention provides smoking compositions which contain a diacylpiperazine additive such as 1,4-(2-methyl-propionyl)-2,3,5,6-tetramethylpiperazine. The preferred diacylpiperazine additives impart enhanced flavor response and smoothness.

Inskeep/D&O

8-23-82 Filed in PTO; assignment recorded.

11-26-82 Prior art statement.

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417271 PM 1095/SMOKING COMPOSITIONS

W. Chan
Chemical Research/Sanders/Osdene

A non-volatile source of ketone to flavor tobacco smoke is provided by a beta-ketocarboxylic acid ester of a sugar or related compound. The ester is applied to the smoking material and remains in place until the burning coal releases the ketone.

Inskeep
9-13-82 Filed in PTO.
12-28-82 Prior art statement.

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421922 PM 1080/SMOKING COMPOSITIONS CONTAINING NOVEL ACYLPYRAZINE
FLAVORANTS

D. Williams, E. Southwick, and Y. Houminer
Chemical Research/Sanders/Osdene

In one of its embodiments the present invention provides a smoking composition which contains a novel type of bicyclic acylpyrazine flavorant additive as exemplified by 2-acetyl-5,6,7,8-tetrahydrocyclohexa[b]pyrazine.

Inskeep/D&O
9-23-82 Filed in PTO.

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